

SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product:	PLANTOSAN [®]
Product No:	52706
Product Use:	Plant Nutrition, Fertiliser
New Zealand Supplier:	Horticulture Ltd
Address:	10 Firth Street Drury 2113
Telephone:	+64 9 294 8453
Fax Number:	+64 9 294 7272
New Zealand:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	7 October 2014

Section 2.	Hazards Identification
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The manufacturer has stated that this substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Fertilisers (subsidiary) - HSR002571

Pictograms



Chronic

Signal Word: **WARNING**

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
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6.8B	H361	Suspected of damaging fertility or the unborn child.	Category 2
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Prevention Code	Prevention Statement
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P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.

Response Code	Response Statement
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P308 + P313	IF exposed or concerned: Get medical advice/ attention.
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Storage Code	Storage Statement
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P405	Store locked up.
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Disposal Code Disposal Statement

P501	Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.
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Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Magnesium Oxide	2.5-10	1309-48-4
Boric Acid	0.1-1	10043-35-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice.
If Swallowed	Immediately rinse the mouth with water, then drink a lot of water. Consult the doctor in case of persistent trouble. Get medical assistance if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from decomposition products	The material itself is harmless and hardly inflammable. Ambient fire may liberate hazardous vapours. If larger quantities of the product are on fire, the formation of nitrous gases, ammonia, phosphoric acid gases and aldehyde is possible.
Suitable Extinguishing media	Water, carbon dioxide, dry extinguishing media.
Precautions for firefighters and special protective clothing	Do not stay in dangerous zone without suitable protecting clothes and self-contained breathing apparatus. Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Avoid generation of dusts, do not inhale dusts. Avoid substance contact. Wear closed working clothes, and in case of dust wear protecting glasses and hand protection. Remove soiled clothes.

Take up the product mechanically. Sweep or vacuum material when possible and shovel into a waste container. Disposal of contaminated material as waste according to section 13.

Ensure that the product does not reach the ground-water, water bodies or the drainage system.

Section 7. Handling and Storage

Handling

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- Use only in well ventilated areas.

Storage

- Protect the product from impurity, high humidity and sunlight.
- Temperature not below 0°C and above +40°C.
- Keep containers tightly closed in a cool dry place.
- Do not store together with food and luxury food, beverage and animal feed.

Section 8 Exposure Controls / Personal Protection

Engineering Controls

Not applicable. Ensure adequate ventilation is available to reduce exposure

Personal Protection

Eyes: In case of dust wear safety goggles with side shields.

Skin: Closed working clothes.

Hand: Chemical resistance rubber or plastic gloves.

Respiratory: Not required. Respiratory protection necessary at dust formation.

Industrial Hygiene Do not eat and drink at work. Remove immediately soiled and soaked clothes. Wash hands and face after work.

Section 9 Physical and Chemical Properties

Appearance	Solid granules
Colour	Light Gray
Odour	Product specific
Change in physical state:	> 180° C decomposition
Self ignition	The product is not spontaneously inflammable
Density (at 20°C)	Approx. 1. g/cm ³
Solubility in water (at 20°C):	Partly soluble

Section 10. Stability and Reactivity

Stability of Substance The product is stable under normal conditions.

Conditions to Avoid Temperatures above +40° C. High humidity and sunlight.

Incompatible Materials Alkalis.

Hazardous Decomposition Products No decomposition if correctly used.

Thermic Decomposition If larger quantities of the product are on fire, the formation of nitrous gases, ammonia, phosphoric acid gases and aldehydes is possible.

Section 11 Toxicological Information

Toxicological tests

Acute toxicity:

Mixture calculation for this product = LD₅₀ (oral): =>5000mg/kg = Non Hazardous

Chronic:

Reproductivity: Suspected of damaging fertility or the unborn child.

Section 12. Ecotoxicological Information

This product is not known to be hazardous to the environment.

Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking- water supplies.

Section 13. Disposal Considerations

Dispose of according to Local Regulations.

Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

The manufacturer has stated that this substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Group Standard & EPA Approval Code: Fertilisers (subsidiary) - HSR002571

HSNO Classification: 6.8B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan trigger Quantities	Not required

Section 16 Other Information

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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Please contact the New Zealand distributor, Horticulture Ltd, if further information is required.

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